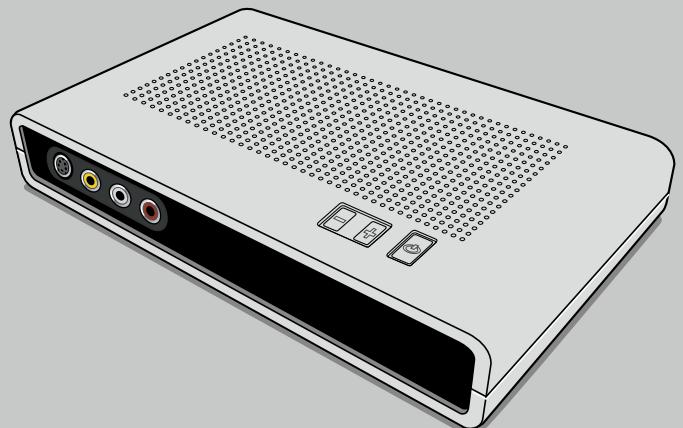


# **DTB-107 EU**

## **DVB-T Receiver Box**

### **User Manual**



# DTB-107 EU

## DVB-T Receiver Box

---

## User Manual

## Index

1. Introduction .....	1
2. Panel Illustration .....	2
3. Cable Connection .....	3
4. Turn on the power .....	5
5. Remote Control .....	6
6. OSD Menu Operation .....	7
6.1 Setup Channels .....	7
6.2 Box Installation .....	10
6.3 Advanced Options .....	13
6.4 EPG .....	15

# 1. Introduction

## ■ Introduction



This is a DTV-400VGA for free-to-air (FTA) terrestrial digital TV broadcasting. You can enjoy the DVD quality video and audio for free. It supports Teletext, 8-day Electronic Program Guide (EPG) and DVB subtitle. Through the EPG, you can set up to 10 program timers to remind you the important programs.

## ■ Accessories



Power Adapter (12VDC/A) x 1



Remote Control (with battery) x 1



3.5mm Stereo Cable x 1



VGA cable x 1



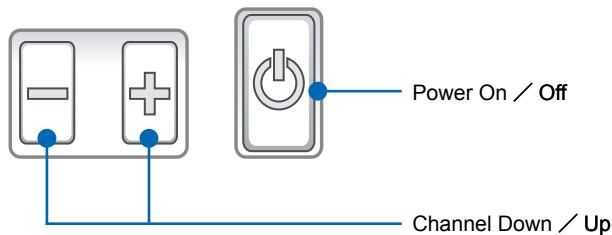
AV Cable (Yellow, White, Red) x 1



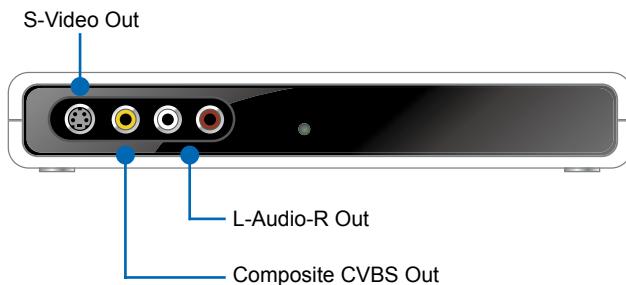
User's Manual x 1

## 2. Panel Illustration

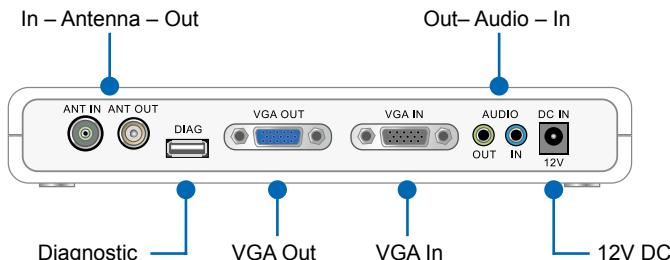
### ■ Buttons



### ■ Front Panel



### ■ Rear Panel



NOTE: "DIAG" is for diagnostic only, please DO NOT use it as USB port.

# 3. Cable Connection

DTV-400VGA can provide VGA, S-Video and composite outputs to PC monitor, TV and VCR. It can also pass through PC signal (VGA and audio) when box is in standby mode. Following diagrams describe different connection configurations.

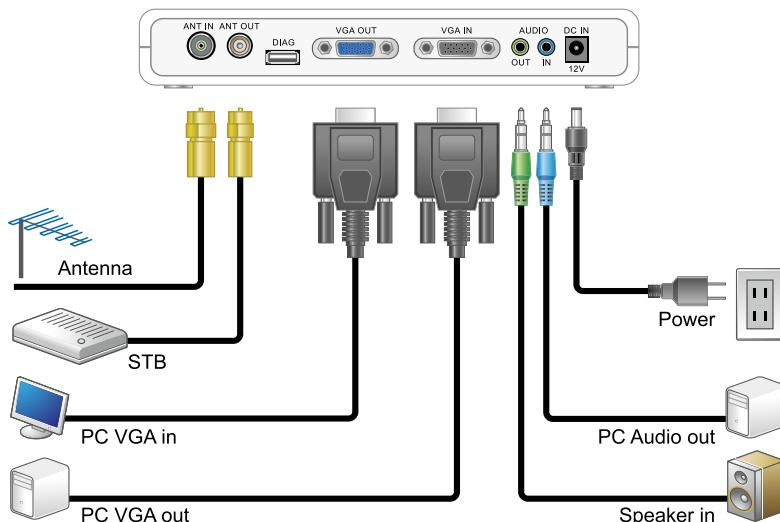
## ■ Antenna Connection

1. Connect the antenna output to “ANT IN”.
2. You can use the “ANT OUT” port to provide DVB-T signal to another DVB-T receiver box.

## ■ PC Connection

This configuration will turn your PC monitor into a high performance TV while you are not using PC.

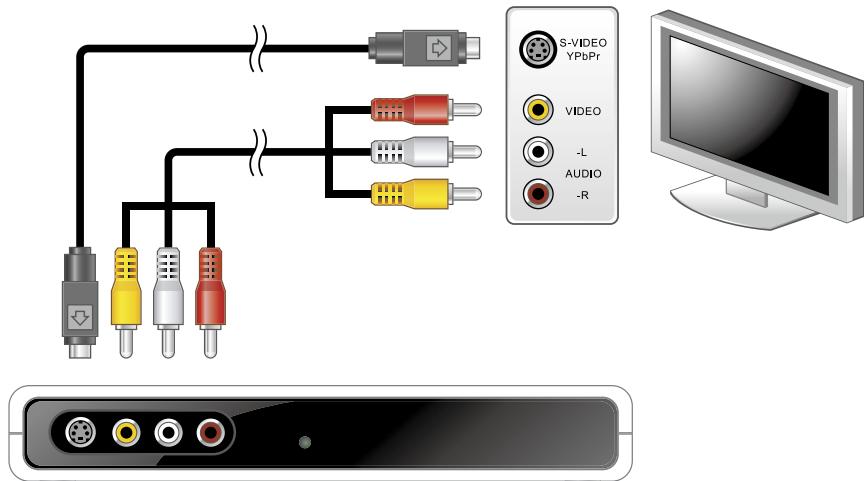
1. Use the VGA cable to connect the box “VGA OUT” and PC monitor VGA input.
2. Use the VGA cable to connect box “VGA IN” and PC VGA out.
3. Use 3.5mm Stereo cable to connect box “AUDIO IN” (Blue jack) and PC Audio out.
4. Use 3.5mm Stereo cable to connect box “AUDIO OUT” (Green jack) and Speaker.



## ■ TV Connection

This connection provides digital terrestrial TV program to your TV via AV or S-Video sources.

1. Use the AV cable (Yellow plug) to connect box Composite output (Yellow jack at front panel) and TV AV input.
2. Or, use the S-Video cable to connect box S-Video output (Black mini DIN jack at front panel) and TV S-Video input.
3. Use the AV cable (White and Red plugs) to connect box L-Audio-R output (White and Red jacks at front panel) and TV audio input for AV or S-Video source.



# 4. Turn on the power

After the cable connection for antenna and PC/TV is completed at previous section, you are ready to turn on the power by plugging the power adapter to the "12V DC IN" jack.

When power on, box will go to standby mode and the RED LED at front panel is turned on.

You can use the remote  "POWER" key or the  "POWER" button on the top cover to start the operation (GREEN LED is on).

## NOTE:

1. When box is powered on and stay at standby mode, it will re-direct the PC video and audio to monitor and speaker. After the operation, the DVB-T video and audio will be sent out.
2. The receiver will start to search all frequencies to look for available TV and Radio channels when the 1<sup>st</sup> time operation is started.

# 5. Remote Control



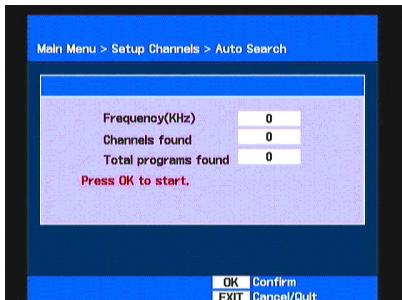
POWER	Power On or Standby
SCAN	Auto scan channels
TV/RADIO	Select TV / Radio programs
INFO	Show channel / program information
0~9	Numeric keys
CH +/-	Channel up / down
VOL +/-	Volume adjustment
RECALL	Go to previous channel
MUTE	Mute
RED	1. List favorite channels
GREEN	2. Function keys
YELLOW	
BLUE	
▲	Up or CH+
▼	Down or CH-
◀	Left or VOL-
▶	Right or VOL+
OK	Select or Confirm
EXIT	Exit menu or Go to upper level menu
MENU	Turn on OSD main menu
AUDIO	Select audio stereo / LEFT / RIGHT channel
EPG	Electronic program guide
SAP	Select audio language
SUB	Select subtitle
TEXT	Turn on/off Teletext
RES	Select VGA resolution
APP	No function
LIST	List all available channels

# 6. OSD Menu Operation

## 6.1 Setup Channels



### Auto Search



Scan all available channels according the "Country" setting in "Box Installation".

## ■ Manual Search



Enter the channel number to search all the broadcast programs in that frequency.



If "User defined" is selected, a specific frequency (KHz) and bandwidth (6/7/8MHz) can be entered to search programs.

## ■ Edit Favorite Channels



There are four favorite groups – RED, GREEN, YELLOW, BLUE.

You can use the four color keys from remote to add/delete a channel from a favorite group.

When OSD menu is off, you can use the four color keys from remote to list channels in a favorite group.

## Available Channels



List all found channels. You may see the channel signal power level and signal quality here.

## Favorite Channels



List favorite channels.

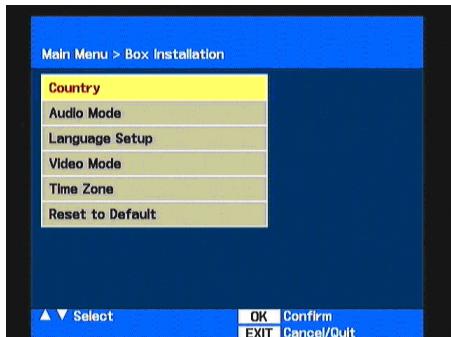
## Reorder Channels



This is to change the channel sequence. Use the remote direction keypad (LEFT/RIGHT/UP/DOWN) to select the channel, press OK keypad to confirm selection, then use the direction keypads to select the new position and press OK to insert.

Press the RED key will restore the sequence.

## 6.2 Box Installation



### Country



There are 28-country and one universal frequency plans to choose a suitable frequency plan and bandwidth. Auto scan will search the channels based on this setting.

### Audio Mode



Select the audio channel – Stereo/Mono-L/Mono-R. AUDIO in remote control does the same thing.

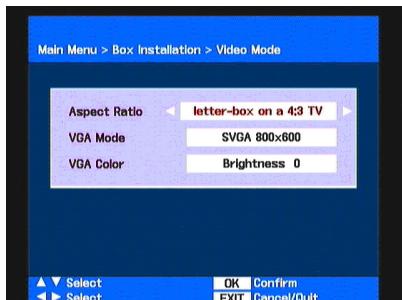
## ■ Language Setup



Select the OSD Menu Language – English, Deutschschland, Italiano, Français and Español.

The Audio Language option will play the preferred speech when it is available.

## ■ Video Mode

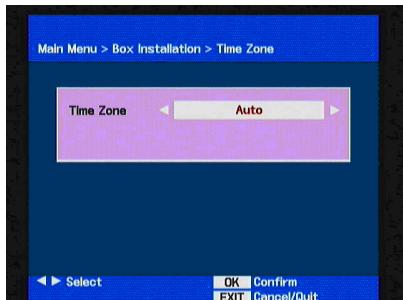


Select the video output Aspect Ratio according the TV aspect ratio.

Letter box on a 4:3 TV	If the video is 16:9 aspect ratio, this mode will show all video and maintain the aspect ration in a normal 4:3 TV. The top and bottom of the screen will be blank.
Pan and scan on a 4:3 TV	If the video is 16:9 aspect ratio, the video will fill the screen and maintain the aspect ration in a normal 4:3 TV. The left and right part of the video will be cut.
Ignore on a 4:3 TV	If the video is 16:9 aspect ratio, the video will fill the screen in a normal 4:3 TV but lost the original aspect ratio.
Letter box on a 16:9 TV	If the video is 4:3 aspect ratio, this mode will show all video and maintain the aspect ration in a wide screen 16:9 TV. The left and right of the screen will be blank.
Pan and scan on a 16:9TV	If the video is 4:3 aspect ratio, the video will fill the screen and maintain the aspect ration in a wide screen 16:9 TV. The top and bottom part of the video will be cut.
Ignore on a 16:9 TV	If the video is 4:3 aspect ratio, the video will fill the screen in a wide screen 16:9 TV but lost the aspect ratio.

- You can choose the VGA resolution from VGA (640x480), SVGA (800x600), XGA (1024x768) and SXGA (1280x1024).
- For VGA output, you also can adjust the VGA color through brightness, contrast and saturation options.

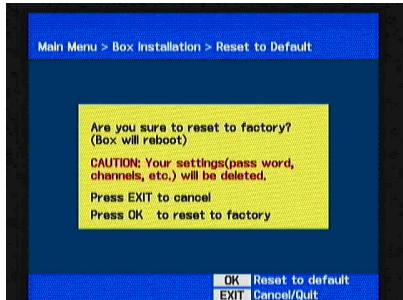
## ■ Time Zone



There are three ways to select the time zone:

1. Auto – The time zone is decided via the service provider. This is the default setting. Receiver will extract the time offset from the received digital stream.
2. Manual – User may select the time zone (Country) and daylight saving time (D.S.T.) if service provider does not provide the data or it is wrong.
3. User Defined – Like the Manual setting but to enter the time offset directly.

## ■ Reset to Default

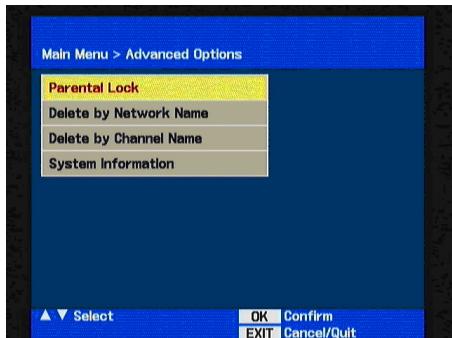


Set the box to factory default.

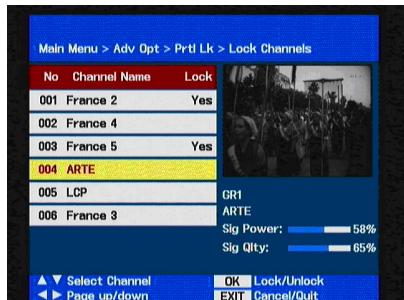
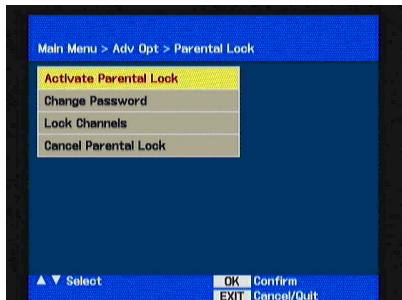
All the channel list, password, favorite channels will be cleared.

Switch the box to standby and turn on the power, box will scan all channels again.

## 6.3 Advanced Options

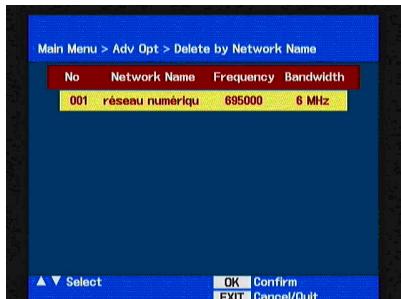


### ■ Parental Lock



- **Activate Parental Lock** – Enable password control.
- **Change Password** – Change password. Empty password will delete password and disable the parental lock function.
- **Lock Channels** – Enter the password to go to the channel list. Select the channel you want to be protected by password.
- **Cancel Parental Lock** – Disable password control.

## ■ Delete by Network Name



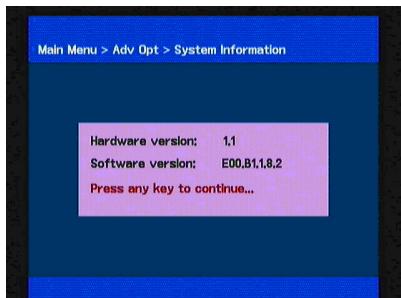
This is to delete a network frequency from the list. All the programs from that frequency will be removed. System will search the network every 4:30AM in the background when box is in standby mode.

## ■ Delete by Program Name



Delete a program from available channel program list.

## ■ System Information



Show the box HW and SW revision.

## 6.4 EPG

Use the EPG key from remote control can display the Electronic Program Guide (EPG).

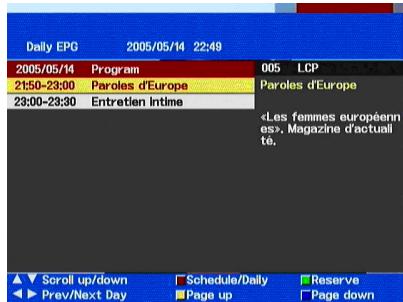
There are two presentation modes for the EPG. In EPG, there are 10 program timers to provide reminder when a program is coming. Move the focus to a program and press "OK", you can see more detailed program description.

### Schedule EPG



This mode gives a matrix of channels and program events. You can easily browse all the programs around a specific time among all the channels.

### Daily EPG



Press the RED button from the remote control, you can switch between Schedule and Daily EPG modes. Daily mode provides program list for a channel. Use the LEFT/RIGHT buttons to change date.

## ■ EPG Program Reservation



There are 10 program timers to bring up reminder for a reserved program. 20 seconds before the start of the reserved program, a pop-up window will remind viewer. If no further instruction, box will switch to the reserved program. Each timer has 3 modes – Once, Daily, Weekly.

## **Memo**

---



Aonvision Technology Corp.

TEL: 886-3-666-1586 FAX: 886-3-666-1585  
2F, No. 58, Park 2nd Ave., Science-Based Industrial Park,  
Hsinchu, 300 Taiwan, R.O.C.  
[www.aonvision.com](http://www.aonvision.com)  
[sales@aonvision.com](mailto:sales@aonvision.com)